

the Water Brothers **EPISODE GUIDE QUESTIONS**

THE RIVER RUNS DRY

1. What countries does the Jordan River flow through?
2. Name one historical event that took place on the Jordan River.
3. Which country mentioned in this episode is a world leader in water technologies and water efficiency?
4. Why are water levels dropping in the Dead Sea?
5. What are forming in the land around the Dead Sea as a result of low water levels?
6. What main technology is Israel using to overcome its water shortage?
7. True or False: Drip irrigation, a technology used by Israel, reduces the amount of water needed to grow crops by over 50%.
8. Name two types of pollution that are found in the Jordan River.
9. What is the main reason why there is almost no natural flow left in the lower Jordan River?
10. Citizens from which three countries has the organization EcoPeace Middle East brought together to work on plans to save the Jordan River?

the Water Brothers EPISODE GUIDE ANSWERS

THE RIVER RUNS DRY

- 1. What countries does the Jordan River flow through?** The Jordan River flows through Lebanon, Syria, Israel, Jordan and Palestine.
- 2. Name one historical event that took place on the Jordan River.** Historical events that took place on the Jordan River include: The baptism of Jesus Christ and the crossing of the Israelites into the Holy Land.
- 3. Which country mentioned in this episode is a world leader in water technologies and water efficiency?** Israel is a world leader in water technologies and water efficiency.
- 4. Why are water levels dropping in the Dead Sea?** Water levels are dropping in the Dead Sea because less water is flowing down the Jordan River. In addition, industrial activities are extracting water, sediments and salt from the Dead Sea to produce items such as cosmetics and fertilizers.
- 5. What are forming in the land around the Dead Sea as a result of low water levels?** Sinkholes are forming in the land around the Dead Sea as a result of low water levels.
- 6. What main technology is Israel using to overcome its water shortage?** Israel is desalinating seawater to overcome its water shortage. Wastewater recycling is also a major solution.
- 7. True or False: Drip irrigation, a technology used by Israel, reduces the amount of water needed to grow crops by over 50%. True.**
- 8. Name two types of pollution that are found in the Jordan River.** Sewage and agricultural runoff are two types of pollution that are found in the Jordan River.
- 9. What is the main reason why there is almost no natural flow left in the lower Jordan River?** The main reason why there is almost no natural flow left in the Jordan River is because countries surrounding the Jordan River are diverting its water.
- 10. Citizens from which three countries has the organization EcoPeace Middle East brought together to work on plans to save the Jordan River?** EcoPeace Middle East has succeeded in bringing together citizens from Israel, Palestine, and Jordan to work on plans to save the Jordan River.

THE RIVER RUNS DRY

Middle East

- <http://www.worldatlas.com/webimage/countrys/me.htm>

Agriculture

- <http://www.ecomena.org/tag/agriculture-in-the-middle-east/>
- <http://www.greenprophet.com/2011/12/7-agricultural-solutions-middle-east/>
- <http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.244>

Jordan River

- <http://www.britannica.com/place/Jordan-River>
- <http://news.nationalgeographic.com/news/2014/02/140222-jordan-river-syrian-refugees-water-environment/>
- <http://news.discovery.com/earth/global-warming/jordan-river-baptism-pollution.htm>

Drip Irrigation

- <http://www.irrigationtutorials.com/drip-irrigation-design-guidelines-basics-of-measurements-parts-and-more/>

Desalination

- <http://www.lenntech.com/processes/desalination/general/desalination-key-issue.htm>